

ABSTRACT
MASS SPECTROMETER

5 A mass spectrometer is disclosed comprising an
electric field region L_2 wherein a time-varying electric
field is applied thereto. In a mode of operation a
pulse of ions 3 comprising ions having different mass to
charge ratios passes through the electric field region L_2
and the electric field is varied with time such that at
10 least some of the ions 3 having different mass to charge
ratios subsequently arrive at the extraction or
acceleration region 10 of a Time of Flight mass analyser
at substantially the same time.

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